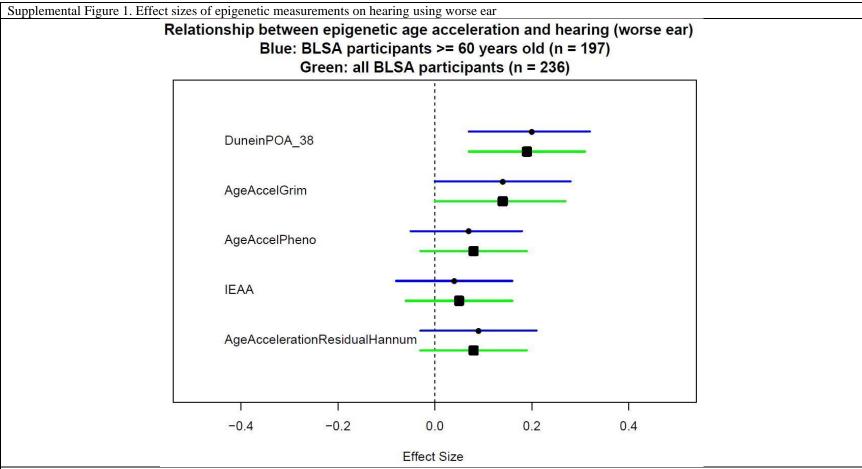
Supplemental Table 1. Association between summarized epigenetic measurements and hearing among those aged 60 years and above				
	Model 4			
Epigenetic Measurement <sup>a</sup>	Estimates b	95% CI	p-value	
AgeAccelerationResidualHannum	0.08	-0.04 - 0.21	0.172	
IEAA	0.07	-0.05 - 0.18	0.277	
AgeAccelPheno	0.05	-0.07 - 0.18	0.385	
AgeAccelGrim	0.18	0.04 - 0.33	0.011	
DunedinPoAm	0.20	0.07 - 0.33	0.003	

Linear regression was used for calculating the association between epigenetic measurements and hearing. Speech-frequency pure tone average at better ear was used for hearing measurement, and treated as the dependent variable in the linear regression.

Model 4: adjusted for sex, black, age, time difference between epigenetic and hearing measurements, hypertension, diabetes, congestive heart failure, peripheral arterial disease, and smoke (pack-years)

<sup>&</sup>lt;sup>a</sup> To measure epigenetic age acceleration, the chronological age-adjusted version was used. AgeAccelerationResidualHannum is the chronological age-adjusted version for the epigenetic clock proposed by Hannum et al. IEAA is the chronological age-adjusted version for the epigenetic clock proposed by Horvath et al. AgeAccelPheno is the chronological age-adjusted version for the epigenetic clock proposed by Levine et al. AgeAccelGrim is the chronological age-adjusted version for the epigenetic clock proposed by Lu et al. DunedinPoAm is the epigenetic score proposed by Belsky et al., which did not need additional adjustment for chronological age.

<sup>b</sup> Estimates referred to the estimate of effect size.



For this sensitivity analysis, the dependent variable is speech-frequency PTA at the worse ear instead of better ear. To measure epigenetic age acceleration, the chronological age-adjusted version was used. AgeAccelerationResidualHannum is the chronological age-adjusted version for the epigenetic clock proposed by Hannum et al. IEAA is the chronological age-adjusted version for the epigenetic clock proposed by Horvath et al. AgeAccelPheno is the chronological age-adjusted version for the epigenetic clock proposed by Levine et al. AgeAccelGrim is the chronological age-adjusted version for the epigenetic clock proposed by Lu et al. DunedinPoAm is the epigenetic score proposed by Belsky et al., which did not need additional adjustment for chronological age.